Annual Report of the Board of Public Health Works, Bombay Presidency

For the Year 1935-36

BOMBAY
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ANNUAL REPORT OF THE BOARD OF PUBLIC HEALTH WORKS, BOMBAY PRESIDENCY, FOR THE YEAR ENDING 31ST MARCH 1936.

The re-organization of the Public Health Branch into a purely consultant Branch took effect from 1st April 1933. In consequence, the functions, powers and constitution of the Board of Public Health Works, which previously directed all Public Health Works in the Presidency, were also revised.

2. The Official and non-official membership of the Board was organized as under :—

1.	The Commissioner, Central Division ..	*President.*
2.	The Consulting Public Health Engineer to Government.	*Member and Secretary.*
3.	The Secretary to Government, General Department.	*Members.*
4.	The Chief Engineer and Secretary to Government, Public Works Department.	
5.	The Director of Public Health for the Government of Bombay.	
6.	The Consulting Surveyor to Government.	
7 & 8.	Two non-officials to be selected from out of the Members of the Bombay Legislative Council.	

The personnel of the Board as it stood on 31st March 1936 is given in Appendix I.

3. The functions and powers of the Board have been modified as under :—

Functions—

(1) The Board is to advise Government on all general questions of sanitary policy including the formulation of the principles to be followed for the healthy and orderly growth of inhabited areas and the preparation and submission to Government of public health engineering type designs.

The Board will also be consulted by Government regarding large individual schemes of sanitary improvements.

(2) The Board is ordinarily to report to Government upon such matters as may be referred by Government for opinion but remains free to represent to Government any matter which it recognises as of importance.

(3) The Board is to consider measures for effecting improvements in sanitation in the Presidency and give help and advice to local bodies on public health matters.

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(4) The Board is to undertake scrutiny of public health improvement schemes from all aspects, including the financial aspect, with a view to recommend their being undertaken or not by the local body concerned with or without help from Government.

4. *Powers of the Board.*—The Board is empowered to accord :—

(1) approval to the preliminary investigations of sanitary schemes up to any amount ;

(2) approval to the preparation of detailed plans and estimates ;

(3) administrative approval to works costing not more than Rs. 50,000 in the case of projects which are proposed to be executed by the local body through the agency of the Government Public Works Department ;

In the case of works proposed to be executed by the local body through its own agency, the Board shall be competent to give administrative approval without limit ;

(4) preliminary approval to sanitary schemes to be carried out from provincial revenues up to any amount ;

(5) sanction to non-recurring grants up to Rs. 10,000 in each case from such sums as may be placed at the disposal of the Board by Government for minor sanitary schemes from time to time.

All cases which are administratively approved by the Board are to be reported to Government with a brief description of the works and the agency through which the works are proposed to be executed by the local body.

The Board discharges its functions at meetings held at intervals, any specially urgent questions being dealt with by circulation. The Board's executive functions are carried out by the Consulting Public Health Engineer to Government.

5. The duties of the Consulting Public Health Engineer in general are to examine the schemes technically and to tour round the Presidency for inspection and for advising the local bodies in respect of their sanitary schemes. All public health schemes carried out from loan funds, are scrutinised by the Consulting Public Health Engineer for the Board in respect of their technical details, and the schemes are administratively approved or recommended to Government for approval, by the Board of Public Health Works before being undertaken for construction.

6. Sind was separated from the Bombay Presidency from 1st April 1936 and constituted into a separate Province. The activities of the Board of Public Health Works and the Consulting Public Health Engineer therefore have been confined since that date to the Presidency proper.

7. Two meetings of the Board were held during the year under report—one at Poona on 3rd October 1935 and the other at Bombay on 3rd March 1936. The subjects which came up for the Board's approval in the meanwhile, were dealt with by circularising the Members.

The schemes the preparation of detailed plans and estimates of which was authorised by the Board, and those that were finally approved by the Board, are tabulated in Appendix No. II.

The Consulting Public Health Engineer arranged for the inspection of all the Public Health Works in the Presidency carried out by local bodies either by himself or through his assistants, and the installations in respect of which his inspection reports were issued are tabulated in Appendix III.

A good deal of preliminary work by way of inspection and advice has to be carried out by this officer before a request actually emanates from a local body for the preparation of plans and estimates for any new project. The local bodies concerned are in many cases not able to give effect at once to the advice tendered by this officer as they have always to depend upon the state of their finances at the time. The volume of work initiated in a year as reflected in the permissions granted for the preparation of plans and estimates and approvals accorded to the projects by the Board, is therefore small when compared to the preliminary work actually gone through.

The Consulting Public Health Engineer was also engaged in supervision of the following public health works of Indian States :—

(1) Jawhar Water Supply.

(2) Kurundwad Water Supply.

(3) Akalkot Water Supply.

These works were visited as often as the local administration required. The works at all these places are much advanced and are showing good progress. Advice was tendered during the year to the Baroda, Sangli and Jamkhandi durbars in connection with their water supply and drainage schemes.

8. The expenditure on public health works carried out by Government agency (P. W. D. staff) for local bodies amounted to Rs. 1,64,538 during the year, and that incurred from provincial funds for works maintained by Government amounted to Rs. 7,26,422 or a total of Rs. 8,90,960. The total Government grant-in-aid sanctioned to cover centage charges or rebates amounted to Rs. 29,800. The expenditure incurred during the year by local bodies on account of maintenance of their works amounted to Rs. 22,97,774.

Fees are now levied by the Consulting Public Health Engineer for consultation, and also for scrutiny of plans and estimates and inspection or supervision. The scale of fees is given in Appendix IV. The total amount of such fees recovered during the year and credited to Government amounted to Rs. 41,504, against the Consulting Public Health Engineer's establishment cost of Rs. 49,868.

V. G. SHETE,
Secretary,
Board of Public Health Works,
Bombay Presidency, Poona.

Enclosures.—4 Appendices.

APPENDIX I.

PERSONNEL OF THE BOARD OF PUBLIC HEALTH WORKS, BOMBAY PRESIDENCY, AS IT STOOD ON 31ST MARCH 1936.

President.

1. A. W. W. MACKIE, Esquire, C.I.E., I.C.S., Commissioner, Central Division.

Members.

2. H. K. KIRPALANI, Esquire, M.A. (Bom.), B.A. (Oxon.), I.C.S., Secretary to Government, General Department (up to 27th March 1936).

   H. T. SORLEY, Esquire, M.A., I.C.S. (from 28th March 1936).

3. T. A. ANDREW, Esquire, B.Sc. (Eng.), Glas., I.S.E., Secretary to Government, Public Works Department.

4. Lieut.-Colonel A. Y. DABHOLKAR, M.C., M.B.B.S., B.Sc. (Bom.), D.P.H., D.T.M. & H. (Lond.), I.M.S., Director of Public Health for the Government of Bombay.

5. T. H. G. STAMPER, Esquire, M.C., F.S.I., Consulting Surveyor to Government.

Non-Official Members.

6. H. M. RAHIMTOOLA, Esquire, B.A., M.L.C.

7. PESTANSHAH N. VAKIL, Esquire, M.L.C.

Member and Secretary.

8. V. G. SHETE, Esquire, L.C.E., M.I.E. (Ind.), M.R.San.I., A.M.I.San.E., I.S.E., Consulting Public Health Engineer to Government.

V. G. SHETE,
Secretary,
Board of Public Health Works,
Bombay Presidency.

APPENDIX II.

PUBLIC HEALTH ENGINEERING SCHEMES APPROVED BY THE BOARD OF PUBLIC HEALTH WORKS DURING 1935-36.

(*i*) During the year under report, the Board accorded approval to the undertaking of preparation of the following projects by the Executive Engineers concerned :—

Name of work.	Agency.
1. Surat Drainage	Executive Engineer, Surat and Broach Division.
2. Ghatkopar Drainage ..	Executive Engineer, Thana Division.
3. Amalner Drainage—Providing sub-drains in the town planning areas and Baherpura.	Executive Engineer, Khandesh Division.

(*ii*) The following projects were approved and execution of the same authorised by the agency noted against each :—

Name of Project.	Estimated cost.	Agency of execution.	
		Municipal.	Government.
	Rs.		
1. Improvements to Barsi water supply.	35,450	....	Executive Engineer, Sholapur Division.
2. Sholapur water supply—Distribution system for Town Planning Scheme No. 1.	1,82,642	Sholapur Municipality.	
3. Improvements to Dhulia water supply —Panjra scheme.	3,21,816	....	Executive Engineer, Khandesh Division.
4. Amalner Drainage ..	1,48,185	....	Do.
5. Water Supply and Drainage Schemes, Karachi :—			
(*i*) Extension of sewage farm No. 1.	2,91,019	Karachi Corporation.	
(*ii*) Ejector Station No. 19.	3,18,000	Do.	
(*iii*) Laying of water supply distribution mains.	77,831	Do.	
6. Jalgaon water supply Distribution system.	....	Permission to execute Municipal Agency	the work through was accorded.
7. Shikarpur Drainage (Third Stage).	2,15,082	Shikarpur Municipality.	

Name of Project.	Estimated cost.	Agency of execution.	
		Municipal.	Government.
	Rs.		
8. Nandurbar Drainage —Lateral Branches.	54,456	Nandurbar Municipality.	
9. Sholapur water supply Rapid Filtration Scheme.	2,04,700	Sholapur Municipality.	
10. Kurla Drainage ..	4,00,200	....	Executive Engineer, Thana Division.

Since 1933 (when a reorganization of the Branch was effected), the Board has authorised preparation of detailed plans and estimates by Government agency in respect of 14 schemes; out of these, four have been prepared by the Executive Engineers concerned and were passed on after scrutiny by the Consulting Public Health Engineer and approval by the Board of Public Health Works to the Superintending Engineers concerned for obtaining the sanction of Government. The remaining schemes were in course of preparation and their receipt was awaited. Out of the 27 projects approved so far, the works of Improvements to Bhiwandi Water Supply has been completed and work on the remaining 26 schemes was either in progress or was not commenced pending sanction to the raising of loans. The works in progress were duly inspected by the Consulting Public Health Engineer to Government.

V. G. SHETE,
Secretary,
Board of Public Health Works,
Bombay Presidency.

APPENDIX III.

WATER SUPPLY AND DRAINAGE INSTALLATIONS IN RESPECT OF WHICH THE CONSULTING PUBLIC HEALTH ENGINEER TO GOVERNMENT ISSUED INSPECTION REPORTS DURING 1935-36.

1. Karachi water supply and drainage.
2. Hyderabad water supply and drainage.
3. Shikarpur drainage.
4. Jacobabad water supply.
5. Ahmedabad drainage.
6. Bandra drainage.
7. Dhulia water supply and drainage.
8. Nanduribar water supply and drainage.
9. Satara water supply.
10. Jalgaon water supply.
11. Shingnapur water supply.
12. Karad water supply.
13. Nasik water supply.
14. Sholapur water supply and drainage.
15. Pandharpur water supply and drainage.
16. Bhimashankar water supply.
17. Dharwar water supply.
18. Saundatti Yellamma water supply.
19. Bijapur water supply.
20. Chiplun water supply.
21. Khed (Ratnagiri) water supply.
22. Karwar drainage.

V. G. SHETE,

Secretary,
Board of Public Health Works,
Bombay Presidency.

APPENDIX IV.

Scale of Fees in respect of preparation, scrutiny, execution and inspection of Public Health Schemes carried out by Government Agency.

(1) *For preliminary investigation and report.*—For a local body—no charge. For an outside body the daily pay of the officer making the investigation and the staff which accompanies him from the date of leaving headquarters till the date of return *plus* 50 per cent. for a period not exceeding seven days.

For periods in excess of seven days, the charge will be as above for the first seven days, and thereafter the daily pay of the officer making the investigation and staff which accompanies him *plus* 100 per cent.

In all cases the travelling and halting allowances of the Consulting Public Health Engineer and his staff will be paid by the local or outside body concerned.

(2) *For carrying out detailed surveys in connection with a project.*—The estimated cost of the survey, including cost of establishment to be engaged, shall be recovered.

(3) *For preparation of a project complete with all necessary drawings and estimates.*—2½ per cent. of the estimated cost less the amounts paid under (1) and (2) above.

(4) *For scrutiny by the Consulting Public Health Engineer of a project prepared for a local or outside body by an agency other than the Public Works Department.*—1¼ per cent. of the estimated cost of the project.

(5) *Inspection by the Consulting Public Health Engineer to Government of Public Health Works under construction, if constructed by an agency other than the Public Works Department.*—1¼ per cent. of the estimated cost of the project.

If the Consulting Public Health Engineer is asked to act continuously as consultant for any work and has accordingly to visit that work from time to time as it progresses, the total charge will be 1¼ per cent. of the estimated cost. If at the request of the local body he pays an occasional visit only the charge will be Rs. 100 *plus* the actual expenses of journey *plus* usual travelling allowances, etc.; but no charge is made for visits made by the Consulting Public Health Engineer on his own initiative or for advice offered on such visits or for visits by the engineers of local bodies to him at his office to consult him about any particular point that arises.

(6) *Construction of works by the Public Works Department on behalf of a local body.*—Establishment and tools and plant charges at 15 per cent. of the estimated cost of the project inclusive of 2½ per cent. for the preparation of plans and estimates.

An application for raising a loan either from Government or in the open market is only sanctioned after a Public Health Scheme has been approved administratively by the Board of Public Health Works and technically by the Consulting Public Health Engineer to Government.

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Public Health Works financed from loans taken by local bodies are, if executed by their own qualified agency, subject to control and inspection by the Consulting Public Health Engineer to Government according to rules framed under the Local Authorities Loans Act. But, where the local body does not either possess a staff, or employ a qualified agency capable of carrying out the work on approved lines, it is open to Government to impose a condition that the work should be carried out by the Agency of the Public Works Department.

V. G. SHETE,

Secretary,
Board of Public Health Works,
Bombay Presidency.

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